


PAVANKUMAR L PODDAR

Asst. Manager Production

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Language Proficiency: English, Hindi, Kannada, Marathi.



PROFILE:

- Experienced Engineer: 11 years specializing in advanced defense-grade customized hydraulic systems, including servo cylinders, valves, and hydraulic fittings.
- Project Management: Successfully led projects for plant layout and stainless-steel hydraulic fitting development, including an international assignment in Germany.
- Machining Optimization: Expertise in optimizing machining techniques to reduce cycle times and costs through strategic planning and time-motion studies.
- Design and Development: Skilled in CAD modeling, and design and development of jigs and fixtures.
- Assembly Techniques: Proficient in assembly techniques for various hydraulic equipment and systems.
- Problem-Solving: Strong decision-making and problem-solving abilities, driven by deep engineering and technological knowledge

WORK EXPERIENCE:

STAUFF INDIA PVT. LTD. PUNE, MAHARASHTRA (January 2023 to Till date)

- Project Management: Led the development of new stainless steel hydraulic fittings, overseeing machine selection, procurement, commissioning, and plant layout design and implementation.
- Process Efficiency: Formulated and implemented departmental policies to enhance manufacturing process efficiency and optimize operations.
- Production Planning: Developed and executed effective production planning strategies to streamline operations and meet organizational goals.
- Cross-Department Coordination: Collaborated with purchase and design departments to drive new product development and ensure seamless integration.
- Training and Development: Trained subordinates and shop workers on technical aspects of manufacturing, enhancing team competency and performance.
- Cost Management: Achieved manufacturing goals and spearheaded cost-saving initiatives to reduce overall expenses.
- Compliance and Standards: Ensured legal compliance with QMS, EMS, and OHAS activities, maintaining IMS/ISO standards for the department.

WORK EXPERIENCE:

POLYHYDRON SYSTEMS PVT LTD. BELAGAVI. form 10 April 2017 to Present (5years & 7months)

Production Planning and Development.

- Project Oversight: Managed major projects, product development, and process improvement initiatives, ensuring successful execution and delivery.
- Process and Project Management: Directed the development and customization of hydraulic systems, including the machining processes for customised servo cylinders, power packs, manifold blocks and valves.

- Spearheaded the design and implementation of required jigs and fixtures and optimized machining sequences. Made critical decisions regarding special processes such as Heat treatment, surface treatment/plating, honing, grinding, and broaching.
- Oversaw the selection and installation of new machinery and plant layout modifications
- Training and Development: Led training programs for trainee engineers, operators, and helpers, focusing on machine operation, instrument handling, QMS, EHS, and OH&S practices.
- Technical Advisory: Provided feasibility assessments and technical advice to sales and marketing team and design team on new product manufacturing, including heat treatment, surface plating, long and thin cylinder machining, profile grinding of long shafts and small valve parts, achieving close tolerances for holes and shafts. Advised on machining possibilities for hydraulic cylinders, manifold blocks, and NG series high-flow control check valves.

Design & Development of Jig-fixtures and CNC Programming.

- Design and Development: Designed and developed jigs and fixtures to reduce setup time and machining cost, enhance productivity, and ensure product consistency. Created 3D models and 2D manufacturing drawings with GD&T symbols and annotations and generated BOMs.
- Special Processes Knowledge: Expertise in heat treatment (induction hardening, case carburizing, through hardening, tempering, stress relieving, annealing, nitriding) and plating processes (hard chrome plating, zinc passivation, electroless nickel plating), as well as welding, anodizing, and painting.

ISO Skills

- Implemented functional objectives set by top management.
- Managed the implementation of 5S, continual improvement, preventive maintenance, quality management systems, and Environment, Health & Safety (EHS) initiatives.
- Addressed nonconformities by performing corrective actions, root cause analysis, and preventive measures within the department.
- Conducted internal audits for TUV SUD, including QMS ISO 9001:2015, EMS ISO 14001:2015, and OH&S ISO 45001:2018.

Machinist Skills

- CNC Programming: Proficient in FANUC and Siemens CNC programming, including program generation, verification, and machine operation. Experienced with SolidCAM for CNC programming.
- Grinding Operations: Specialist in cylindrical and surface grinding, with hands-on experience in grinding thin and extra-long shafts ($\varnothing 4$ to $\varnothing 250$ mm, length 15 mm to 2000 mm) and high-precision valve parts with angle and radius profiles for both internal and external surfaces, achieving accuracy within 0.002 mm to 0.030 mm.
- Machining Skills: Extensive knowledge of job setting, turning, milling, and drilling operations on various metals.
- Fabrication Skills: Proficient in welding, bending, shearing, and gas and plasma cutting.
- Measurement and Inspection: Excellent knowledge of handling precision instruments, including vernier calipers, micrometers, combination gauges, height gauges, Go/No-Go gauges (plain and thread), inside calipers, bore gauges, and electronic gauges such as coat meters, roughness testers, Rockwell hardness testers, and portable hardness testers.

Material Procurement and Vendor Development.

- Source suppliers, obtain quotations, and prepare technical specifications and comparison statements.
- Negotiate commercial and payment terms, onboard suppliers, and manage ERP entries, purchase requisitions, and orders.
- Procure machine tools (CNC, milling, grinding, VTL, HMC, VMC, EDM) and spare parts (bearings, guideways, ball screws, servo components, pneumatics).
- Purchase consumables (inserts, drills, taps, tool holders, abrasive wheels, cutting fluids, oils, measuring instruments).
- Assist with raw material procurement and develop vendor qualification and subcontracting processes.

LECTURER (October 2016 -April 2017) M L Bharatesh Polytechnic, Belagavi

- Taught Automotive Electronics, covering engine management, ignition systems, charging and starting systems, chassis electrical systems, electrical fuel control, and vehicle comfort & safety systems.
- Delivered Engineering Drawing instruction, including dimensioning, projections (lines, planes, solids), isometric and orthographic projections, and conversions.

LAB INSTRUCTOR (August 2010 – 2013) M L Bharatesh Polytechnic, Belagavi

- Conducted PLC-based Electro-pneumatics labs, including programming Siemens PLC I/O modules, designing ladder logic diagrams, and implementing multi-cylinder sequential circuits with time delays, counters, and logic gate operations.
- Led CNC Programming labs, involving simulation of turning and milling programs and operation of Fanuc control CNC turning and VMC machines.
- Taught Robotics labs, focusing on embedded system programming in C for 8051 microcontroller-based servo motor controlled robotic arms.

EDUCATION QUALIFICATION

COURSE	INSTITUTE NAME	YEAR OF PASSING	AGGREGATE %
B.E. INDUSTRIAL & PRODUCTION ENGINEERING (VTU)	K L S Gogte Institute of Technology, Belagavi	2013 to 2016	66.16
DIPLOMA IN MECHATRONICS ENGINEERING (DTE)	B E T's Motichand Lengade Bharatesh Polytechnic, Belagavi	2007 to 2010	61.20

CERTIFICATES



- Training Program on pneumatic electro-pneumatic and electro-pneumatics with PLC Program code JTP01, JTP02 and JTP03 from Janatics India Private Limited, Coimbatore.
- Basic Programmable logic controllers with Indira logic PLC Software, Certified by, Bosch Rexroth Center of Competence in Automation Technology, Mysore.
- Basic robotic, Certified by Bosch Rexroth Center of Competence in Automation Technology, Mysore.
- National Instruments Basic Lab View graphical programming certification course.
- 3D Printing, certified by ATTIS systems in association with Jain college of engineering Belagavi.
- CATIA V5 Software, Certified by Engineering Academy, Belagavi.
- Certificate of participation in National Conference on Emerging Trends in Chemistry and Materials Science.
- NCC certificate of candidate 'A' examination passed with 'A' grading

INDUSTRIAL INTERACTION

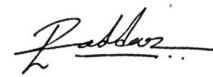
- Industrial In-plant training at Ashok Iron Works, CHMD & CBMD Division, Belagavi
- In-plant training at Janatics India Pvt Ltd, Coimbatore
- Visit to Ace Manufacturing Systems Ltd, Bengaluru for Machine training and Pre-dispatch inspection.
- Visit to Ace Designers Ltd, Bengaluru for Machine training and Pre-dispatch inspection.
- Visit to Jyoti CNC Pvt Ltd, Rajkot for Machine training and Pre-dispatch inspection.
- Visit to Kennametal India Ltd, Bengaluru for Machine training and Pre-dispatch inspection.
- Visit to Micromatic grinding technologies Pvt Ltd, Gaziabad. for Machine training and Pre-dispatch inspection.

SKILLS AND SOFTWARE PROFICIENCY

- Solid Works 2018
- CATIA V5
- Solid CAM 2016 and CIMCO Edit7
- Excellent knowledge of Turning, Milling, Welding and Drilling operations.
- Excellent knowledge of Heat treatment, Hard chrome plating, Grinding and Special Surface treatments.
- Tally ERP-9 and ERP Rachana infotech.
- Wire EDM & EDM machine programming with RR CAD software.
- Microsoft Excel, Word, and Power point.

DECLARATION

I hereby declare that the above-mentioned information is correct up to my knowledge and I bear the responsibility for the correctness of the above-mentioned particulars.



(Pavankumar L Poddar)

Place: Pune, Maharashtra

Date: 26 August 2024